

## GEOTEXTILE MATERIAL PROPERTIES

The Standard Specifications are revised as follows:

SECTION 918, BEGIN LINE 22h, DELETE AS FOLLOWS:

**GEOTEXTILE MATERIAL PROPERTIES**

TEST	METHOD	REQUIREMENTS*
Tensile Strength	Grab Tensile Strength, ASTM D 4632	200 lb (890 N)
Elongation	Grab Tensile Strength, ASTM D 4632	15%
Seam Strength	Grab Tensile Strength, ASTM D 4632	180 lb (800 N)
<del>Bursting Strength</del>	<del>Mullen Burst,</del> <del>ASTM D 3786</del>	<del>320 psi (2.21 MPa)</del>
Puncture Strength	ASTM D 4833	80 lb (356 N)
Trapezoid Tear	ASTM C 4533	50 lb (225 N)
Ultraviolet Degradation at 150 h	ASTM D 4355	70% strength retained
Apparent Opening Size (AOS)	ASTM D 4751	AOS shall be No. 50 (300 $\mu$ m) standard sieve or filter
Permeability**	ASTM D 4491 (Permittivity)	0.01 cm/sec or >

\* Use value in weaker principal direction. All numerical values represent minimum average roll value and test results from any sampled roll in a lot shall meet or exceed the minimum values in the table. Lots shall be sampled according to ASTM D 4354.

\*\* The nominal coefficient of permeability shall be determined by multiplying permittivity value by nominal thickness. The nominal thickness is measured under a normal load of 280 psi (1.93 MPa).

SECTION 918, BEGIN LINE 52, DELETE AS FOLLOWS:

The geotextile shall be in accordance with the physical requirements as follows.

TEST	METHOD	REQUIREMENTS <sup>2</sup>
Grab Strength	ASTM D 4632	80 lb (355.8 N)
Seam Strength <sup>1</sup>	ASTM D 4632	70 lb (311.4 N)
Puncture Strength	ASTM D 4833	25 lb (111.2 N)
<del>Burst Strength</del>	<del>ASTM D 3786</del>	<del>130 psi (896 kPa)</del>
Trapezoid Tear	ASTM D 4533	25 lb (111.2 kg)
Apparent Opening Size (AOS)	ASTM D 4751	Sieve No. 50 or smaller opening
Permeability	ASTM D 4491	0.1 mm/sec
Ultraviolet Degradation at 150 h	ASTM D 4355	70% strength retained

<sup>1</sup> Values will apply to both filed and manufactured seams.

<sup>2</sup> The value in the weaker principal direction shall be used. All numerical values will represent the minimum average roll value. Test results from a sampled roll in a lot shall be in accordance with or shall exceed the minimum values shown in the table. Lots shall be sampled in accordance with ASTM D 4354.